**Name of the Work : Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli**

**Bruhat Bengaluru Mahanagara Palike**

**Bytarayanapura Division**

**Job Code :- 008-17-000035, 008-17-000036, 008-17-000037, 008-17-000038, 008-17-000039, 008-17-000040, 008-17-000041, 008-17-000042, 008-17-000043, 008-17-000044, 008-17-000045, 25347**

**Name of Agency :- M/s Karthik Enterprises**

**Bill No :-5 RA and Part Bill**

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | KSRRB 2100.-2.2: Earthwork in excavation for foundations of structures as per drawings and techincal specifications including, setting out , construction of shoring & bracing , removal of stumps and other deleterious matter , dressing of sides and bottom and backfilling with approved material complete as per specifications .B. Machanical means (i) Depth - 3.0 Mtr to 6.0 m dep | | | | | | | | | | |
| | **Behind G.R Kalyana Mantapa, Badrappa Layout** | | | | | | | | | | |
| | **7th Cross** | | | | | | | | | | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 40.00 | 47.60 | R/S | 1 | 7.60 | | | 1.10 | 0.85 | 7.11 | |
| | 47.60 | 54.60 | R/S | 1 | 7.00 | | | 0.45 | 0.50 | 1.58 | **Culvert** |
| | 54.60 | 65.00 | R/S | 1 | 10.40 | | | 1.10 | 0.85 | 9.72 | |
| | 65.00 | 75.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 75.00 | 85.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 85.00 | 93.00 | R/S | 1 | 8.00 | | | 1.10 | 0.85 | 7.48 | |
| | 93.00 | 102.00 | R/S | 1 | 9.00 | | | 1.10 | 0.85 | 8.42 | |
| | 102.00 | 110.00 | R/S | 1 | 8.00 | | | 1.10 | 0.85 | 7.48 | |
| | 110.00 | 120.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 120.00 | 130.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 130.00 | 140.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 140.00 | 150.30 | R/S | 1 | 10.30 | | | 1.10 | 0.85 | 9.63 | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 8.00 | L/S | 1 | 8.00 | | | 1.10 | 0.85 | 7.48 | |
| | 8.00 | 18.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 18.00 | 28.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 28.00 | 37.00 | L/S | 1 | 9.00 | | | 1.10 | 0.85 | 8.42 | |
| | 37.00 | 46.30 | L/S | 1 | 9.30 | | | 1.10 | 0.85 | 8.70 | |
| | 46.30 | 52.60 | L/S | 1 | 6.30 | | | 0.45 | 0.50 | 1.42 | **Culvert** |
| | 52.60 | 58.00 | L/S | 1 | 5.40 | | | 1.10 | 0.85 | 5.05 | |
| | 58.00 | 68.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 68.00 | 78.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 78.00 | 88.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 88.00 | 98.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |

TEJUS CONSULTANTS

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Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli**

| BOQ Item No | Description Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 98.00 | 108.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 108.00 | 118.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | 4/7 |
| | 118.00 | 128.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 128.00 | 140.00 | L/S | 1 | 12.00 | | | 1.10 | 0.85 | 11.22 | |
| | **Behind G.R Kalyana Mantapa, Badrappa Layout** | | | | | | | | | | |
| | **4th Cross** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.0 | 10.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 10.0 | 20.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 20.0 | 30.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 30.0 | 40.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 40.0 | 50.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 50.0 | 60.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 60.0 | 70.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 70.0 | 78.00 | | 1 | 8.00 | | | 1.10 | 0.85 | 7.48 | |
| | 78.0 | 88.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 88.0 | 98.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 98.0 | 108.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 108.0 | 118.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 118.0 | 127.00 | | 1 | 9.00 | | | 1.10 | 0.85 | 8.42 | |
| | 127.0 | 137.00 | | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 137.0 | 147.00 | | 1 | 10.00 | | | 1.10 | 1.10 | 12.10 | |
| | 147.0 | 157.00 | | 1 | 10.00 | | | 1.10 | 1.10 | 12.10 | |
| | 157.0 | 161.00 | | 1 | 4.00 | | | 1.10 | 1.10 | 4.84 | |
| | 161.0 | 165.00 | | 1 | 4.00 | | | 1.10 | 1.10 | 4.84 | 10/7 |
| | 165.0 | 175.00 | | 1 | 10.00 | | | 1.10 | 1.10 | 12.10 | |
| | **Culvert** | | | | | | | | | | |
| | Road Beside Krishna Gokula Hotel | | | | | | | | | | |
| | | | | 1 | 5.00 | | | 1.7 | 0.75 | 6.38 | |
| | Maruthinagr 2nd Stage 2nd B Cross | | | | | | | | | | |
| | | | | 1 | 5.50 | | | 1.7 | 0.75 | 7.01 | |
| | Maruthinagr 1st Stage - 2nd B Cross | | | | | | | | | | |
| | | | | 1 | 4.50 | | | 1.7 | 0.75 | 5.74 | |
| | Lottegollahalli 8th Cross | | | | | | | | | | |
| | | | | 1 | 7.30 | | | 1.7 | 0.75 | 9.31 | |
| | Balaji Layout | | | | | | | | | | |
| | | | | 1 | 5.50 | | | 1.3 | 1.00 | 7.15 | |
| | Devinagar 1st Main Road | | | | | | | | | | |
| | | | | 1 | 7.30 | | | 1.3 | 1.25 | 11.86 | |
| | | | | | | | | **Total Quantity** | | **483.51** | **Cu-m** |

TEJUS CONSULTANTS

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Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17) | | | | | | | | | | |
| | **Behind G.R Kalyana Mantapa, Badrappa Layout** | | | | | | | | | | |
| | **7th Cross** | | | | | | | | | | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 40.00 | 47.60 | R/S | 1 | 7.60 | | | 1.10 | 0.10 | 0.84 | |
| | 47.60 | 54.60 | R/S | 0 | 7.00 | | | 0.00 | 0.00 | 0.00 | **Culvert** |
| | 54.60 | 65.00 | R/S | 1 | 10.40 | | | 1.10 | 0.10 | 1.14 | |
| | 65.00 | 75.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 75.00 | 85.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 85.00 | 93.00 | R/S | 1 | 8.00 | | | 1.10 | 0.10 | 0.88 | |
| | 93.00 | 102.00 | R/S | 1 | 9.00 | | | 1.10 | 0.10 | 0.99 | |
| | 102.00 | 110.00 | R/S | 1 | 8.00 | | | 1.10 | 0.10 | 0.88 | |
| | 110.00 | 120.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 120.00 | 130.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 130.00 | 140.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 140.00 | 150.30 | R/S | 1 | 10.30 | | | 1.10 | 0.10 | 1.13 | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 8.00 | L/S | 1 | 8.00 | | | 1.10 | 0.10 | 0.88 | |
| | 8.00 | 18.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 18.00 | 28.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 28.00 | 37.00 | L/S | 1 | 9.00 | | | 1.10 | 0.10 | 0.99 | |
| | 37.00 | 46.30 | L/S | 1 | 9.30 | | | 1.10 | 0.10 | 1.02 | |
| | 46.30 | 52.60 | L/S | 0 | 6.30 | | | 0.00 | 0.00 | 0.00 | **Culvert** |
| | 52.60 | 58.00 | L/S | 1 | 5.40 | | | 1.10 | 0.10 | 0.59 | |
| | 58.00 | 68.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 68.00 | 78.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 78.00 | 88.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 88.00 | 98.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 98.00 | 108.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 108.00 | 118.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 118.00 | 128.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 128.00 | 140.00 | L/S | 1 | 12.00 | | | 1.10 | 0.10 | 1.32 | |
| | **Behind G.R Kalyana Mantapa, Badrappa Layout** | | | | | | | | | | |

TEJUS CONSULTANTS

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Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

| Measurements recorded on | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli | | | | | | | | | | | |
| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| | 4th Cross | | | | | | | | | | |
| | LHS | | | | | | | | | | |
| | 0.0 | 10.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 10.0 | 20.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 20.0 | 30.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 30.0 | 40.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 40.0 | 50.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 50.0 | 60.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 60.0 | 70.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 70.0 | 78.00 | L/S | 1 | 8.00 | | | 1.10 | 0.10 | 0.88 | |
| | 78.0 | 88.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 88.0 | 98.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 98.0 | 108.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 108.0 | 118.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 118.0 | 127.00 | L/S | 1 | 9.00 | | | 1.10 | 0.10 | 0.99 | |
| | 127.0 | 137.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 137.0 | 147.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 147.0 | 157.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 157.0 | 161.00 | L/S | 1 | 4.00 | | | 1.10 | 0.10 | 0.44 | |
| | 161.0 | 165.00 | L/S | 1 | 4.00 | | | 1.10 | 0.10 | 0.44 | |
| | 165.0 | 175.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | Culvert | | | | | | | | | | |
| | Road Beside Krishna Gokula Hotel | | | | | | | | | | |
| | | | | 1 | 5.00 | | | 1.50 | 0.15 | 1.13 | |
| | Maruthinagr 2nd Stage 2nd B Cross | | | | | | | | | | |
| | | | | 1 | 5.50 | | | 1.50 | 0.15 | 1.24 | |
| | Maruthinagr 1st Stage - 2nd B Cross | | | | | | | | | | |
| | | | | 1 | 4.50 | | | 1.50 | 0.15 | 1.01 | |
| | Lottegollahalli 8th Cross | | | | | | | | | | |
| | | | | 1 | 7.30 | | | 1.50 | 0.15 | 1.64 | |
| | Balaji Layout | | | | | | | | | | |
| | | | | 1 | 5.50 | | | 1.10 | 0.15 | 0.91 | |
| | Devinagar 1st Main Road | | | | | | | | | | |
| | | | | 1 | 7.30 | | | 1.10 | 0.15 | 1.20 | |
| | | | | | | | | Total Quantity | | 56.85 | Cu-m |

EJUS CONSULTANTS

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**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 64 | KSRRB M2200 -6 Supplying , fitting and placingTMT bar Fe 550 reinforcement in sub-structure complete as per drawing & technical specification complete as per the specification . MORTH Specification No.1600 & 2200(P.No.225 , I.No.28.8.3 of PW,P&IWTD S.R 2016-17) | | | | | | | | | |
| | **7th Cross** | | | | | | | | | |
| | **RHS** | | | | | | | | | |
| | **Main U-Bars** | | | | | | | | | |
| | 10mm Dia Bars | 1 | 1141 | 2.10 | | | | 0.617 | 1479.07 | |
| | **Distribution Bars** | | | | | | | | | |
| | 8mm Dia Bars | 1 | 14 | 143.30 | | | | 0.395 | 792.57 | |
| | **LHS** | | | | | | | | | |
| | **Main U-Bars** | | | | | | | | | |
| | 10mm Dia Bars | 1 | 1094 | 2.10 | | | | 0.617 | 1418.15 | |
| | **Distribution Bars** | | | | | | | | | |
| | 8mm Dia Bars | 1 | 14 | 134.60 | | | | 0.395 | 744.45 | |
| | **4th Cross** | | | | | | | | | |
| | **LHS** | | | | | | | | | |
| | **Main U-Bars** | | | | | | | | | |
| | 10mm Dia Bars | 1 | 1434 | 2.10 | | | | 0.617 | 1858.89 | |
| | **Distribution Bars** | | | | | | | | | |
| | 8mm Dia Bars | 1 | 14 | 175.00 | | | | 0.395 | 967.90 | |
| | **Culvert's** | | | | | | | | | |
| | **Devinagar 1st Main Road** | | | | | | | | | |
| | **12mm Main U-Bars** | | | | | | | | | |
| | Inner Main Bar | 1 | 61 | 2.40 | | | | 0.889 | 130.13 | |
| | Outer Main Bar | 1 | 61 | 3.20 | | | | 0.889 | 173.51 | |
| | **8mm Distribution Bars** | | | | | | | | | |
| | Inner Bars | 1 | 16 | 7.30 | | | | 0.395 | 46.14 | |
| | Outer Bars | 1 | 21 | 7.30 | | | | 0.395 | 60.56 | |
| | **Balaji Layout** | | | | | | | | | |
| | **12mm Main U-Bars** | | | | | | | | | |
| | Inner Main Bar | 1 | 46 | 1.90 | | | | 0.889 | 77.69 | |
| | Outer Main Bar | 1 | 46 | 2.70 | | | | 0.889 | 110.40 | |
| | **8mm Distribution Bars** | | | | | | | | | |
| | Inner Bars | 1 | 13 | 5.50 | | | | 0.395 | 28.25 | |
| | Outer Bars | 1 | 18 | 5.50 | | | | 0.395 | 39.11 | |
| | | | | | | | | **Total Quantity** | **7926.84** | **Kg** |
| | | | | | | | | | **7.93** | **Ton** |

TEJUS CONSULTANTS

18/7

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 7 | KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2 (P.No.15, I.No.4.28 of PW, P&IWTD SR 2016-17) | | | | | | | | | |
| | **Culvert** | | | | | | | | | |
| | **RAFT** | | | | | | | | | |
| | Balaji Layout | | | | | | | | | |
| | | | 2 | 5.50 | | | | 0.25 | 2.75 | |
| | | | 2 | 1.30 | | | | 0.25 | 0.65 | |
| | Devinagar 1st Main Road | | | | | | | | | |
| | | | 2 | 7.30 | | | | 0.25 | 3.65 | |
| | | | 2 | 1.30 | | | | 0.25 | 0.65 | |
| | | | | | | | **Total Quantity** | | **7.70** | **Sq-m** |

TEJUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Divisio
Yelahanka Zone, B.B.M.P.,
Bangalore.

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| Measurements recorded on | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli** | | | | | | | | | | |
| **BOQ Item No** | **Description** / **Chainage** | **Side** | **Nos** | **L** | **B1** | **B2** | **Avg width** | **Depth** | **Quantity** | **Remarks** |
| **8** | KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P.No.15, I.No.4.31 of PW,P&IWTD SR 2016-17) | | | | | | | | | |
| | **Culvert** | | | | | | | | | |
| | **Side Wall** | | | | | | | | | |
| | Balaji Layout | | | | | | | | | |
| | | | 4 | 5.50 | | | | 0.60 | 13.20 | |
| | Devinagar 1st Main Road | | | | | | | | | |
| | | | 4 | 7.30 | | | | 0.85 | 24.82 | |
| | | | | | | | **Total Quantity** | | **38.02** | **Sq-m** |

TEJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, BBMP,
Bangalore.

2017

| Measurements recorded on | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli | | | | | | | | | | | |
| BOQ Item No | Description Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| 6 | Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.265, I.No.37.59.2 of PW, P&IWTD SR 2016-17 | | | | | | | | | | |
| | **Behind G.R Kalyana Mantapa, Badrappa Layout** | | | | | | | | | | |
| | **7th Cross** | | | | | | | | | | |
| | **RHS** | | | | | | | | | | |
| | **Raft** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 40.00 | 47.60 | R/S | 1 | 7.60 | | | 0.90 | 0.15 | 1.03 | |
| | 47.60 | 54.60 | R/S | 0 | 7.00 | | | 0.00 | 0.00 | 0.00 | Culvert |
| | 54.60 | 65.00 | R/S | 1 | 10.40 | | | 0.90 | 0.15 | 1.40 | |
| | 65.00 | 75.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 75.00 | 85.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 85.00 | 93.00 | R/S | 1 | 8.00 | | | 0.90 | 0.15 | 1.08 | |
| | 93.00 | 102.00 | R/S | 1 | 9.00 | | | 0.90 | 0.15 | 1.22 | |
| | 102.00 | 110.00 | R/S | 1 | 8.00 | | | 0.90 | 0.15 | 1.08 | |
| | 110.00 | 120.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 120.00 | 130.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 130.00 | 140.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 140.00 | 150.30 | R/S | 1 | 10.30 | | | 0.90 | 0.15 | 1.39 | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 8.00 | L/S | 1 | 8.00 | | | 0.90 | 0.15 | 1.08 | |
| | 8.00 | 18.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 18.00 | 28.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 28.00 | 37.00 | L/S | 1 | 9.00 | | | 0.90 | 0.15 | 1.22 | |
| | 37.00 | 46.30 | L/S | 1 | 9.30 | | | 0.90 | 0.15 | 1.26 | |
| | 46.30 | 52.60 | L/S | 0 | 6.30 | | | 0.00 | 0.00 | 0.00 | Culvert |
| | 52.60 | 58.00 | L/S | 1 | 5.40 | | | 0.90 | 0.15 | 0.73 | |
| | 58.00 | 68.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 68.00 | 78.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 78.00 | 88.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 88.00 | 98.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 98.00 | 108.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 108.00 | 118.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 118.00 | 128.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 128.00 | 140.00 | L/S | 1 | 12.00 | | | 0.90 | 0.15 | 1.62 | |
| | **Side Wall** | | | | | | | | | | |
| | **7th Cross** | | | | | | | | | | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |

23/7

CRFC.

24/11

TEJUS CONSULTANTS

23/7

Assistant Executive Engineer
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P.,
Bangalore.

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli**

| BOQ Item No | Description Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10.00 | 20.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 20.00 | 30.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 30.00 | 40.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 40.00 | 47.60 | R/S | 2 | 7.60 | | | 0.15 | 0.60 | 1.37 | |
| | 47.60 | 54.60 | R/S | 0 | 7.00 | | | 0.00 | 0.00 | 0.00 | Culvert |
| | 54.60 | 65.00 | R/S | 2 | 10.40 | | | 0.15 | 0.60 | 1.87 | |
| | 65.00 | 75.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 75.00 | 85.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 85.00 | 93.00 | R/S | 2 | 8.00 | | | 0.15 | 0.60 | 1.44 | |
| | 93.00 | 102.00 | R/S | 2 | 9.00 | | | 0.15 | 0.60 | 1.62 | |
| | 102.00 | 110.00 | R/S | 2 | 8.00 | | | 0.15 | 0.60 | 1.44 | |
| | 110.00 | 120.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 120.00 | 130.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | 25/7 |
| | 130.00 | 140.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 140.00 | 150.30 | R/S | 2 | 10.30 | | | 0.15 | 0.60 | 1.85 | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 8.00 | L/S | 2 | 8.00 | | | 0.15 | 0.60 | 1.44 | |
| | 8.00 | 18.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 18.00 | 28.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 28.00 | 37.00 | L/S | 2 | 9.00 | | | 0.15 | 0.60 | 1.62 | |
| | 37.00 | 46.30 | L/S | 2 | 9.30 | | | 0.15 | 0.60 | 1.67 | |
| | 46.30 | 52.60 | L/S | 0 | 6.30 | | | 0.00 | 0.00 | 0.00 | Culvert |
| | 52.60 | 58.00 | L/S | 2 | 5.40 | | | 0.15 | 0.60 | 0.97 | |
| | 58.00 | 68.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 68.00 | 78.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 78.00 | 88.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 88.00 | 98.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 98.00 | 108.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 108.00 | 118.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 118.00 | 128.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 128.00 | 140.00 | L/S | 2 | 12.00 | | | 0.15 | 0.60 | 2.16 | |
| | **Behind G.R Kalyana Mantapa, Badrappa Layout** | | | | | | | | | | |
| | **4th Cross** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | **Raft** | | | | | | | | | | |
| | 0.0 | 10.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 10.0 | 20.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 20.0 | 30.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 30.0 | 40.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 40.0 | 50.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | 26/7 |
| | 50.0 | 60.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 60.0 | 70.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 70.0 | 78.00 | L/S | 1 | 8.00 | | | 0.90 | 0.15 | 1.08 | |
| | 78.0 | 88.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 88.0 | 98.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |

CRFC. 24/11

TEJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

**Measurements recorded on**

**Name Of work : - Improveme[redacted]n and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli**

| BOQ Item No | Description Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 98.0 | 108.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 108.0 | 118.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 118.0 | 127.00 | L/S | 1 | 9.00 | | | 0.90 | 0.15 | 1.22 | |
| | 127.0 | 137.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | 26/7 |
| | 137.0 | 147.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 147.0 | 157.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 157.0 | 161.00 | L/S | 1 | 4.00 | | | 0.90 | 0.15 | 0.54 | |
| | 161.0 | 165.00 | L/S | 1 | 4.00 | | | 0.90 | 0.15 | 0.54 | |
| | 165.0 | 175.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | **Side Wall** | | | | | | | | | | |
| | 0.0 | 10.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 10.0 | 20.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 20.0 | 30.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 30.0 | 40.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 40.0 | 50.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 50.0 | 60.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 60.0 | 70.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 70.0 | 78.00 | L/S | 2 | 8.00 | | | 0.15 | 0.60 | 1.44 | |
| | 78.0 | 88.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | 28/7 |
| | 88.0 | 98.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 98.0 | 108.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 108.0 | 118.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 118.0 | 127.00 | L/S | 2 | 9.00 | | | 0.15 | 0.60 | 1.62 | |
| | 127.0 | 137.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 137.0 | 147.00 | L/S | 2 | 10.00 | | | 0.15 | 0.85 | 2.55 | |
| | 147.0 | 157.00 | L/S | 2 | 10.00 | | | 0.15 | 0.85 | 2.55 | |
| | 157.0 | 161.00 | L/S | 2 | 4.00 | | | 0.15 | 0.85 | 1.02 | |
| | 161.0 | 165.00 | L/S | 2 | 4.00 | | | 0.15 | 0.85 | 1.02 | |
| | 165.0 | 175.00 | L/S | 2 | 10.00 | | | 0.15 | 0.85 | 2.55 | |
| | | | | | | | | **Total Quantity** | | **145.23** | **Cu-m** |

Corr. 24/11 [redacted] (20,23)

TEJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

W.O.S

| Measurements recorded on | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli | | | | | | | | | | |
| BOQ Item No | Description / Chainage | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| 14 | KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17) | | | | | | | | | |
| | Road Beside Krishna Gokula Hotel | | | | | | | | | |
| | | | 2 | 5.00 | | | 0.45 | 0.60 | 2.70 | |
| | Maruthinagr 2nd Stage 2nd B Cross | | | | | | | | | |
| | | | 2 | 5.50 | | | 0.45 | 0.60 | 2.97 | |
| | Maruthinagr 1st Stage - 2nd B Cross | | | | | | | | | |
| | | | 2 | 4.50 | | | 0.45 | 0.60 | 2.43 | |
| | Lottegollahalli 8th Cross | | | | | | | | | |
| | | | 2 | 7.30 | | | 0.45 | 0.60 | 3.94 | |
| | | | | | | | Total Quantity | | 12.04 | Cu-m |

TEJUS CONSULTANTS

Assistant Executive Engineer.
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

28/7

| Measurements recorded on | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli | | | | | | | | | | |
| BOQ Item No | Description / Chainage | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| 63 | KSRRB M2300-8.1. Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, Case - II : Using Batching Plant, Transit Mixer & Concrete Pump MORTH Specification No. 1500,1600 & 1700-Height upto 5 m(P.No.233 , I.No.29.16.1 of PW,P&IWTD S.R S.R 2016-17) | | | | | | | | | |
| | **Culvert** | | | | | | | | | |
| | **RAFT** | | | | | | | | | |
| | Balaji Layout | | | | | | | | | |
| | | | 1 | 5.50 | | | 1.10 | 0.25 | 1.51 | 30/7 |
| | Devinagar 1st Main Road | | | | | | | | | |
| | | | 1 | 7.30 | | | 1.10 | 0.25 | 2.01 | |
| | **Side Wall** | | | | | | | | | |
| | Balaji Layout | | | | | | | | | |
| | | | 2 | 5.50 | | | 0.25 | 0.60 | 1.65 | |
| | Devinagar 1st Main Road | | | | | | | | | 31/7 |
| | | | 2 | 7.30 | | | 0.25 | 0.85 | 3.10 | |
| | | | | | | | **Total Quantity** | | **8.27** | **Cu-m** |

TEJUS CONSULTANTS

W08

| Measurements recorded on | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli | | | | | | | | | | | | |
| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks | Rate |
| 20 | Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | | | | |
| | Behind G.R Kalyana Mantapa, Badrappa Layout | | | | | | | | | | | |
| | 4th Cross | | | | | | | | | | | |
| | 0.00 | 15.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | 15.00 | 30.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | 30.00 | 45.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | 45.00 | 60.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | 60.00 | 75.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | 75.00 | 90.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | 90.00 | 105.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | 105.00 | 120.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | 120.00 | 135.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | 135.00 | 150.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | | |
| | 150.00 | 165.00 | L/S | 1 | 15.00 | | | 0.90 | | ~~13.50~~ | B S Slab | |
| | 165.00 | 175.00 | L/S | 1 | 10.00 | | | 0.90 | | ~~9.00~~ | B.S.Slab | |
| | | | | | | | | Total Quantity | | ~~157.50~~ 135.00 m2 | Sq-m | 1780.52 |

TEJUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

9/8

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 21 | Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | | |
| | Road Beside Krishna Gokula Hotel | | | | | | | | | |
| | | | 1 | 5.00 | | | 1.50 | | 7.50 | |
| | Maruthinagr 2nd Stage 2nd B Cross | | | | | | | | | |
| | | | 1 | 5.50 | | | 1.50 | | 8.25 | |
| | Maruthinagr 1st Stage - 2nd B Cross | | | | | | | | | |
| | | | 1 | 4.50 | | | 1.50 | | 6.75 | |
| | Lottegollahalli 8th Cross | | | | | | | | | |
| | | | 1 | 7.30 | | | 1.50 | | 10.95 | |
| | Balaji Layout | | | | | | | | | |
| | | | 1 | 5.50 | | | 1.50 | | 8.25 | |
| | Devinagar 1st Main Road | | | | | | | | | |
| | | | 1 | 7.30 | | | 1.50 | | 10.95 | |
| | | | | | | | **Total Quantity** | | **52.65** | **Sq-m** |

TEJUS CONSULTANTS

9/8

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

| Measurements recorded on | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli** | | | | | | | | | | |
| **BOQ Item No** | **Description** / **Chainage** | **Side** | **Nos** | **L** | **B1** | **B2** | **Avg width** | **Depth** | **Quantity** | **Remarks** |
| 17 | KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17) | | | | | | | | | |
| | **Culvert Ramp** | | | | | | | | | |
| | Road Beside Krishna Gokula Hotel | | | | | | | | | |
| | | | 1 | 5.00 | | | 0.9 | 0.10 | 0.45 | |
| | Maruthinagr 2nd Stage 2nd B Cross | | | | | | | | | |
| | | | 1 | 5.50 | | | 0.9 | 0.10 | 0.50 | |
| | Maruthinagr 1st Stage - 2nd B Cross | | | | | | | | | |
| | | | 1 | 4.50 | | | 0.90 | 0.10 | 0.41 | |
| | Lottegollahalli 8th Cross | | | | | | | | | |
| | | | 1 | 7.30 | | | 0.90 | 0.10 | 0.66 | |
| | Balaji Layout | | | | | | | | | |
| | | | 1 | 5.50 | | | 0.9 | 0.10 | 0.50 | |
| | Devinagar 1st Main Road | | | | | | | | | |
| | | | 1 | 7.30 | | | 0.9 | 0.10 | 0.66 | |
| | | | | | | | **Total Quantity** | | **3.16** | **Cu-m** |

TEJUS CONSULTANTS

9/8

Assistant Executive Engineer.
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P.
Bangalore.

**Name of the Work : Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

**Bruhat Bengaluru Mahanagara Palike**

**Bytarayanapura Division**

**Job Code :- 008-17-000035, 008-17-000036, 008-17-000037, 008-17-000038, 008-17-000039, 008-17-000040, 008-17-000041, 008-17-000042, 008-17-000043, 008-17-000044, 008-17-000045, 25347**

**Name of Agency :- M/s Karthik Enterprises**

**Bill No :-5 RA and Part Bill**

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17) | | | | | | | | | | |
| | **Maruthinagr 8th A Cross** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 10.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 10.00 | 20.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 20.00 | 30.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 30.00 | 40.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 40.00 | 50.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 50.00 | 60.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 60.00 | 70.00 | L/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 70.00 | 80.00 | L/S | 1 | 10.00 | | | 1.10 | 1.00 | 11.00 | |
| | 80.00 | 90.00 | L/S | 1 | 10.00 | | | 1.10 | 1.00 | 11.00 | |
| | 90.00 | 100.00 | L/S | 1 | 10.00 | | | 1.10 | 1.00 | 11.00 | |
| | 100.00 | 105.00 | L/S | 1 | 5.00 | | | 0.60 | 0.50 | 1.50 | Culvert |
| | 105.00 | 115.00 | L/S | 1 | 10.00 | | | 1.10 | 1.00 | 11.00 | |
| | 115.00 | 130.00 | L/S | 1 | 15.00 | | | 1.10 | 1.00 | 16.50 | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 40.00 | 50.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 50.00 | 60.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 60.00 | 70.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 70.00 | 80.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 80.00 | 90.00 | R/S | 1 | 10.00 | | | 1.10 | 0.95 | 10.45 | |
| | 90.00 | 100.00 | R/S | 1 | 10.00 | | | 1.10 | 0.95 | 10.45 | |
| | 100.00 | 111.00 | R/S | 1 | 11.00 | | | 1.10 | 1.00 | 12.10 | |
| | 111.00 | 117.00 | R/S | 1 | 6.00 | | | 1.10 | 1.00 | 6.60 | |
| | 117.00 | 130.00 | R/S | 1 | 13.00 | | | 1.10 | 1.00 | 14.30 | |
| | **Culvert** | | | | | | | | | | |
| | Lottegollahalli 8th Cross | | | | | | | | | | |
| | | | | 1 | 8.00 | | | 1.30 | 1.15 | 11.96 | |
| | | | | | | | | **Total Quantity** | | **268.11** | **Cu-m** |

TEJUS CONSULTANTS

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Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17) | | | | | | | | | | |
| | **Maruthinagar 8thA Cross** | | | | | | | | | | |
| | 0.0 | 10.0 | | 1 | 10.0 | 3.87 | 3.90 | 3.89 | 0.30 | 11.66 | |
| | 10.0 | 20.0 | | 1 | 10.0 | 3.90 | 4.00 | 3.95 | 0.30 | 11.85 | |
| | 20.0 | 30.0 | | 1 | 10.0 | 4.00 | 4.00 | 4.00 | 0.30 | 12.00 | |
| | 30.0 | 40.0 | | 1 | 10.0 | 4.00 | 4.00 | 4.00 | 0.30 | 12.00 | |
| | 40.0 | 49.0 | | 1 | 9.0 | 4.00 | 4.50 | 4.25 | 0.30 | 11.48 | |
| | 49.0 | 57.0 | | 1 | 8.0 | 4.50 | 4.50 | 4.50 | 0.30 | 10.80 | |
| | 57.0 | 67.0 | | 1 | 10.0 | 4.50 | 5.00 | 4.75 | 0.30 | 14.25 | |
| | 67.0 | 77.0 | | 1 | 10.0 | 5.00 | 5.50 | 5.25 | 0.30 | 15.75 | |
| | 77.0 | 87.0 | | 1 | 10.0 | 5.50 | 5.50 | 5.50 | 0.30 | 16.50 | |
| | 87.0 | 97.0 | | 1 | 10.0 | 5.50 | 5.50 | 5.50 | 0.30 | 16.50 | |
| | 97.0 | 105.0 | | 1 | 8.0 | 5.50 | 5.50 | 5.50 | 0.30 | 13.20 | |
| | 105.0 | 112.0 | | 1 | 7.0 | 5.50 | 5.00 | 5.25 | 0.30 | 11.03 | |
| | 112.0 | 117.0 | | 1 | 5.0 | 5.00 | 5.30 | 5.15 | 0.30 | 7.73 | |
| | 117.0 | 127.0 | | 1 | 10.0 | 5.30 | 5.50 | 5.40 | 0.30 | 16.20 | |
| | 127.0 | 131.1 | | 1 | 4.1 | 5.50 | 5.60 | 5.55 | 0.30 | 6.83 | |
| | **Road Beside Krishna Gokula Hotel** | | | | | | | | | | |
| | 0.0 | 10.0 | | 1 | 10.0 | 4.50 | 4.55 | 4.53 | 0.30 | 13.58 | |
| | 10.0 | 20.0 | | 1 | 10.0 | 4.55 | 4.50 | 4.53 | 0.30 | 13.58 | |
| | 20.0 | 30.0 | | 1 | 10.0 | 4.50 | 4.50 | 4.50 | 0.30 | 13.50 | |
| | 30.0 | 38.0 | | 1 | 8.0 | 4.50 | 4.55 | 4.53 | 0.30 | 10.86 | |
| | 38.0 | 50.0 | | 1 | 12.0 | 4.55 | 4.50 | 4.53 | 0.30 | 16.29 | |
| | | | | | | | | **Total Quantity** | | **255.56** | **cu-m** |

TEJUS CONSULTANT

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**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17) | | | | | | | | | | |
| | **Drain** | | | | | | | | | | |
| | **Maruthinagr 8th A Cross** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 10.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 10.00 | 20.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 20.00 | 30.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 30.00 | 40.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 40.00 | 50.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 50.00 | 60.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 60.00 | 70.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 70.00 | 80.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 80.00 | 90.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 90.00 | 100.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 100.00 | 105.00 | L/S | 0 | 5.00 | | | 0.00 | 0.00 | 0.00 | Culvert |
| | 105.00 | 115.00 | L/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 115.00 | 130.00 | L/S | 1 | 15.00 | | | 1.10 | 0.10 | 1.65 | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 40.00 | 50.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 50.00 | 60.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 60.00 | 70.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 70.00 | 80.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 80.00 | 90.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 90.00 | 100.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 100.00 | 111.00 | R/S | 1 | 11.00 | | | 1.10 | 0.10 | 1.21 | |
| | 111.00 | 117.00 | R/S | 1 | 6.00 | | | 1.10 | 0.10 | 0.66 | |
| | 117.00 | 130.00 | R/S | 1 | 13.00 | | | 1.10 | 0.10 | 1.43 | |
| | **Culvert** | | | | | | | | | | |
| | Lottegollahalli 8th Cross | | | | | | | | | | |
| | | | | 1 | 8.00 | | | 1.30 | 0.15 | 1.56 | |
| | **Road** | | | | | | | | | | |
| | **Maruthinagar 8th A Cross** | | | | | | | | | | |
| | 0.0 | 10.0 | | 1 | 10.00 | 3.87 | 3.90 | 3.89 | 0.15 | 5.83 | |
| | 10.0 | 20.0 | | 1 | 10.00 | 3.90 | 4.00 | 3.95 | 0.15 | 5.93 | |
| | 20.0 | 30.0 | | 1 | 10.00 | 4.00 | 4.00 | 4.00 | 0.15 | 6.00 | |
| | 30.0 | 40.0 | | 1 | 10.00 | 4.00 | 4.00 | 4.00 | 0.15 | 6.00 | |
| | 40.0 | 49.0 | | 1 | 9.00 | 4.00 | 4.50 | 4.25 | 0.15 | 5.74 | |
| | 49.0 | 57.0 | | 1 | 8.00 | 4.50 | 4.50 | 4.50 | 0.15 | 5.40 | |
| | 57.0 | 67.0 | | 1 | 10.00 | 4.50 | 5.00 | 4.75 | 0.15 | 7.13 | |
| | 67.0 | 77.0 | | 1 | 10.00 | 5.00 | 5.50 | 5.25 | 0.15 | 7.88 | |
| | 77.0 | 87.0 | | 1 | 10.00 | 5.50 | 5.50 | 5.50 | 0.15 | 8.25 | |

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TEJUS CONSULTANTS

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**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 87.0 | 97.0 | | 1 | 10.00 | 5.50 | 5.50 | 5.50 | 0.15 | 8.25 | |
| | 97.0 | 105.0 | | 1 | 8.00 | 5.50 | 5.50 | 5.50 | 0.15 | 6.60 | |
| | 105.0 | 112.0 | | 1 | 7.00 | 5.50 | 5.00 | 5.25 | 0.15 | 5.51 | |
| | 112.0 | 117.0 | | 1 | 5.00 | 5.00 | 5.30 | 5.15 | 0.15 | 3.86 | |
| | 117.0 | 127.0 | | 1 | 10.00 | 5.30 | 5.50 | 5.40 | 0.15 | 8.10 | |
| | 127.0 | 131.1 | | 1 | 4.10 | 5.50 | 5.60 | 5.55 | 0.15 | 3.41 | |
| | **Road Beside Krishna Gokula Hotel** | | | | | | | | | | |
| | 0.0 | 10.0 | | 1 | 10.0 | 4.50 | 4.55 | 4.53 | 0.15 | 6.79 | |
| | 10.0 | 20.0 | | 1 | 10.0 | 4.55 | 4.50 | 4.53 | 0.15 | 6.79 | |
| | 20.0 | 30.0 | | 1 | 10.0 | 4.50 | 4.50 | 4.50 | 0.15 | 6.75 | |
| | 30.0 | 38.0 | | 1 | 8.0 | 4.50 | 4.55 | 4.53 | 0.15 | 5.43 | |
| | 38.0 | 50.0 | | 1 | 12.0 | 4.55 | 4.50 | 4.53 | 0.15 | 8.15 | |
| | | | | | | | | **Total Quantity** | | **157.39** | **Cu-m** |

TEJUS CONSULTANTS

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Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, BBMP
Bangalore.

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**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 10 | KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work | | | | | | | | | |
| | **Maruthinagr 8th A Cross** | | | | | | | | | |
| | **LHS** | | | | | | | | | |
| | **Main U-Bars** | | | | | | | | | |
| | 10mm Dia Bars | 1 | 1078 | 2.1 | | | 0.617 | | 1397.41 | |
| | **Distribution Bars** | | | | | | | | | |
| | 8mm Dia Bars | 1 | 14.00 | 125.00 | | | 0.395 | | 691.36 | |
| | **RHS** | | | | | | | | | |
| | **Main U-Bars** | | | | | | | | | |
| | 10mm Dia Bars | 1 | 1102 | 2.1 | | | 0.617 | | 1428.52 | |
| | **Distribution Bars** | | | | | | | | | |
| | 8mm Dia Bars | 1 | 14.00 | 130.00 | | | 0.395 | | 719.01 | |
| | **Lottegollahalli 8th Cross** | | | | | | | | | |
| | **Culvert** | | | | | | | | | |
| | 12 main U bars | | | | | | | | | |
| | inner main bars | 1 | 91 | 1.90 | | | 0.888 | | 153.54 | |
| | outer main bars | 1 | 93 | 2.15 | | | 0.888 | | 177.56 | |
| | **Distribution bars** | | | | | | | | | |
| | **8mm Dia bars** | | | | | | | | | |
| | inner main bars | 1 | 13 | 8.00 | | | 0.395 | | 41.09 | |
| | outer main bars | 1 | 14 | 8.00 | | | 0.395 | | 44.25 | |
| | | | | | | | **Total Quantity** | | **4652.72** | **Kg** |
| | | | | | | | | | **4.65** | **Ton** |

EJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

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**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.265, I.No.37.59.2 of PW, P&IWTD SR 2016-17 | | | | | | | | | | |
| | **Maruthinagr 8th A Cross** | | | | | | | | | | |
| | **Raft Concrete** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 10.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 10.00 | 20.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 20.00 | 30.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 30.00 | 40.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 40.00 | 50.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 50.00 | 60.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 60.00 | 70.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 70.00 | 80.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 80.00 | 90.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 90.00 | 100.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 100.00 | 105.00 | L/S | 0 | 5.00 | | | 0.00 | 0.00 | 0.00 | Culvert |
| | 105.00 | 115.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 115.00 | 130.00 | L/S | 1 | 15.00 | | | 0.90 | 0.15 | 2.03 | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 40.00 | 50.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 50.00 | 60.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 60.00 | 70.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 70.00 | 80.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 80.00 | 90.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 90.00 | 100.00 | R/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 100.00 | 111.00 | R/S | 1 | 11.00 | | | 0.90 | 0.15 | 1.49 | |
| | 111.00 | 117.00 | R/S | 1 | 6.00 | | | 0.90 | 0.15 | 0.81 | |
| | 117.00 | 130.00 | R/S | 1 | 13.00 | | | 0.90 | 0.15 | 1.76 | |
| | **Side Wall** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 10.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 10.00 | 20.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 20.00 | 30.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 30.00 | 40.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 40.00 | 50.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 50.00 | 60.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 60.00 | 70.00 | L/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 70.00 | 80.00 | L/S | 2 | 10.00 | | | 0.15 | 0.75 | 2.25 | |
| | 80.00 | 90.00 | L/S | 2 | 10.00 | | | 0.15 | 0.75 | 2.25 | |
| | 90.00 | 100.00 | L/S | 2 | 10.00 | | | 0.15 | 0.75 | 2.25 | |
| | 100.00 | 105.00 | L/S | 0 | 5.00 | | | 0.00 | 0.00 | 0.00 | Culvert |
| | 105.00 | 115.00 | L/S | 2 | 10.00 | | | 0.15 | 0.75 | 2.25 | |

M/s CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 115.00 | 130.00 | L/S | 2 | 15.00 | | | 0.15 | 0.75 | 3.38 | |
| | RHS | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 10.00 | 20.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 20.00 | 30.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 30.00 | 40.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 40.00 | 50.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 50.00 | 60.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 60.00 | 70.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 70.00 | 80.00 | R/S | 2 | 10.00 | | | 0.15 | 0.60 | 1.80 | |
| | 80.00 | 90.00 | R/S | 2 | 10.00 | | | 0.15 | 0.70 | 2.10 | |
| | 90.00 | 100.00 | R/S | 2 | 10.00 | | | 0.15 | 0.70 | 2.10 | |
| | 100.00 | 111.00 | R/S | 2 | 11.00 | | | 0.15 | 0.75 | 2.48 | |
| | 111.00 | 117.00 | R/S | 2 | 6.00 | | | 0.15 | 0.75 | 1.35 | |
| | 117.00 | 130.00 | R/S | 2 | 13.00 | | | 0.15 | 0.75 | 2.93 | |
| | | | | | | | | **Total Quantity** | | **84.75** | **Cu-m** |

152.23

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CAFC

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TEJUS CONSULTANTS

21/8

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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| Measurements recorded on | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli** | | | | | | | | | | |
| **BOQ Item No** | **Description** / **Chainage** | | **Side** | **Nos** | **L** | **B1** | **B2** | **Avg width** | **Depth** | **Quantity** | **Remarks** |
| 7 | KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2 (P.No.15, I.No.4.28 of PW, P&IWTD SR 2016-17) | | | | | | | | | |
| | Lottegollahalli 8th Cross | | | | | | | | | |
| | | | | 2 | 8.00 | | | | 0.25 | 4.00 | |
| | | | | 2 | 1.30 | | | | 0.25 | 0.65 | |
| | | | | | | | | **Total Quantity** | | **4.65** | **Sq-m** |

TEJUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka
Bangalore.

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| Measurements recorded on | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli | | | | | | | | | | | |
| BOQ Item No | Description Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| 8 | KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P.No.15, I.No.4.31 of PW,P&IWTD SR 2016-17) | | | | | | | | | | |
| | Lottegollahalli 8th Cross | | | | | | | | | | |
| | | | | 4 | 8.00 | | | | 0.75 | 24.00 | |
| | | | | | | | | Total Quantity | | 24.00 | Sq-m |

VENUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

21/8

| Measurements recorded on | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli | | | | | | | | | | | |
| BOQ Item No | Description Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| 9 | Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams. (P.No.18, I.No.4.48 of PW, P&IWTD SR 2016-17) | | | | | | | | | | |
| | **Lottegollahalli 8th Cross** | | | | | | | | | | |
| | Raft | | | | | | | | | | |
| | | | | 1 | 8.00 | | | 1.1 | 0.25 | 2.20 | |
| | Side Wall | | | | | | | | | | |
| | | | | 2 | 8.00 | | | 0.25 | 0.75 | 3.00 | |
| | | | | | | | | **Total Quantity** | | **5.20** | **Cu-m** |

TEJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

21/8

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17) | | | | | | | | | | |
| | **Maruthinagr 8th A Cross** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 10.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 10.00 | 20.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 20.00 | 30.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 30.00 | 40.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 40.00 | 50.00 | L/S | 1 | 6.00 | | | 0.90 | | 5.40 | |
| | 50.00 | 60.00 | L/S | 1 | 5.00 | | | 0.90 | | 4.50 | |
| | 60.00 | 70.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 70.00 | 80.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 80.00 | 90.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 90.00 | 100.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 100.00 | 105.00 | L/S | 0 | 0.00 | | | 0.00 | | 0.00 | Culvert |
| | 105.00 | 115.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 115.00 | 130.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 10.00 | 20.00 | R/S | 1 | 8.00 | | | 0.90 | | 7.20 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 40.00 | 50.00 | R/S | 1 | 8.00 | | | 0.90 | | 7.20 | |
| | 50.00 | 60.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 60.00 | 70.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 70.00 | 80.00 | R/S | 1 | 7.00 | | | 0.90 | | 6.30 | |
| | 80.00 | 90.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 90.00 | 100.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 100.00 | 111.00 | R/S | 1 | 11.00 | | | 0.90 | | 9.90 | |
| | 111.00 | 117.00 | R/S | 1 | 6.00 | | | 0.90 | | 5.40 | |
| | 117.00 | 130.00 | R/S | 1 | 8.00 | | | 0.90 | | 7.20 | |
| | **Behind G.R Kalyana Mantapa, Badrappa Layout** | | | | | | | | | | |
| | **7th Cross** | | | | | | | | | | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 40.00 | 47.60 | R/S | 1 | 7.60 | | | 0.90 | | 6.84 | |
| | 47.60 | 54.60 | R/S | 0 | 7.00 | | | 0.90 | | 0.00 | Culvert |
| | 54.60 | 65.00 | R/S | 1 | 7.00 | | | 0.90 | | 6.30 | |
| | 65.00 | 75.00 | R/S | 1 | 6.00 | | | 0.90 | | 5.40 | |
| | 75.00 | 85.00 | R/S | 1 | 7.00 | | | 0.90 | | 6.30 | |
| | 85.00 | 93.00 | R/S | 1 | 8.00 | | | 0.90 | | 7.20 | |
| | 93.00 | 102.00 | R/S | 1 | 9.00 | | | 0.90 | | 8.10 | |
| | 102.00 | 110.00 | R/S | 1 | 8.00 | | | 0.90 | | 7.20 | |

TEJUS CONSULTANTS

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| Measurements recorded on | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli | | | | | | | | | | | |
| BOQ Item No | Description Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| | 110.00 | 120.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 120.00 | 130.00 | R/S | 0 | 10.00 | | | 0.90 | | 0.00 | |
| | 130.00 | 140.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 140.00 | 150.30 | R/S | 1 | 10.30 | | | 0.90 | | 9.27 | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 8.00 | L/S | 1 | 8.00 | | | 0.90 | | 7.20 | |
| | 8.00 | 18.00 | L/S | 1 | 5.00 | | | 0.90 | | 4.50 | |
| | 18.00 | 28.00 | L/S | 0 | 10.00 | | | 0.90 | | 0.00 | Old BS Slab |
| | 28.00 | 37.00 | L/S | 0 | 9.00 | | | 0.90 | | 0.00 | Old BS Slab |
| | 37.00 | 46.30 | L/S | 0 | 9.30 | | | 0.90 | | 0.00 | Old BS Slab |
| | 46.30 | 52.60 | L/S | 0 | 6.30 | | | 0.90 | | 0.00 | Old BS Slab |
| | 52.60 | 58.00 | L/S | 0 | 5.40 | | | 0.90 | | 0.00 | **Culvert** |
| | 58.00 | 68.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 68.00 | 78.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 78.00 | 88.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 88.00 | 98.00 | L/S | 1 | 7.00 | | | 0.90 | | 6.30 | |
| | 98.00 | 108.00 | L/S | 1 | 7.00 | | | 0.90 | | 6.30 | |
| | 108.00 | 118.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 118.00 | 128.00 | L/S | 0 | 10.00 | | | 0.90 | | 0.00 | Old BS Slab |
| | 128.00 | 140.00 | L/S | 0 | 12.00 | | | 0.90 | | 0.00 | Old BS Slab |
| | | | | | | | **Total Quantity** | | | **381.51** | **Sq-m** |

TEJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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| Measurements recorded on | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli | | | | | | | | | | | |
| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| 12 | KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications, (only chamfered length shall be recorded) KBS 5.1.13 (P.No.24, I.No.5.22 of PW,P&IWTD SR 2016-17) | | | | | | | | | | |
| | **Maruthinagr 8th A Cross** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 10.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 10.00 | 20.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 20.00 | 30.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 30.00 | 40.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 40.00 | 50.00 | L/S | 1 | 10 | | | 3.00 | | 30.00 | |
| | 50.00 | 60.00 | L/S | 1 | 8 | | | 3.00 | | 24.00 | |
| | 60.00 | 70.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 70.00 | 80.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 80.00 | 90.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 90.00 | 100.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 100.00 | 105.00 | L/S | 0 | 0 | | | 3.00 | | 0.00 | Culvert |
| | 105.00 | 115.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 115.00 | 130.00 | L/S | 1 | 25 | | | 3.00 | | 75.00 | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 10.00 | 20.00 | R/S | 1 | 13 | | | 3.00 | | 39.00 | |
| | 20.00 | 30.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 30.00 | 40.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 40.00 | 50.00 | R/S | 1 | 13 | | | 3.00 | | 39.00 | |
| | 50.00 | 60.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 60.00 | 70.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 70.00 | 80.00 | R/S | 1 | 12 | | | 3.00 | | 36.00 | |
| | 80.00 | 90.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 90.00 | 100.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 100.00 | 111.00 | R/S | 1 | 18 | | | 3.00 | | 54.00 | |
| | 111.00 | 117.00 | R/S | 1 | 10 | | | 3.00 | | 30.00 | |
| | 117.00 | 130.00 | R/S | 1 | 13 | | | 3.00 | | 39.00 | |
| | **Behind G.R Kalyana Mantapa, Badrappa Layout** | | | | | | | | | | |
| | **7th Cross** | | | | | | | | | | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 10.00 | 20.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 20.00 | 30.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 30.00 | 40.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 40.00 | 47.60 | R/S | 1 | 13 | | | 3.00 | | 39.00 | |
| | 47.60 | 54.60 | R/S | 0 | 12 | | | 3.00 | | 0.00 | Culvert |
| | 54.60 | 65.00 | R/S | 1 | 12 | | | 3.00 | | 36.00 | |
| | 65.00 | 75.00 | R/S | 1 | 10 | | | 3.00 | | 30.00 | |
| | 75.00 | 85.00 | R/S | 1 | 12 | | | 3.00 | | 36.00 | |
| | 85.00 | 93.00 | R/S | 1 | 13 | | | 3.00 | | 39.00 | |
| | 93.00 | 102.00 | R/S | 1 | 15 | | | 3.00 | | 45.00 | |
| | 102.00 | 110.00 | R/S | 1 | 13 | | | 3.00 | | 39.00 | |
| | 110.00 | 120.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |

TEJUS CONSULTANTS

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**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 120.00 | 130.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 130.00 | 140.00 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 140.00 | 150.30 | R/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 8.00 | L/S | 1 | 13 | | | 3.00 | | 39.00 | |
| | 8.00 | 18.00 | L/S | 1 | 8 | | | 3.00 | | 24.00 | |
| | 18.00 | 28.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 28.00 | 37.00 | L/S | 1 | 15 | | | 3.00 | | 45.00 | |
| | 37.00 | 46.30 | L/S | 1 | 16 | | | 3.00 | | 48.00 | |
| | 46.30 | 52.60 | L/S | 1 | 11 | | | 3.00 | | 33.00 | |
| | 52.60 | 58.00 | L/S | 0 | 9 | | | 3.00 | | 0.00 | Culvert |
| | 58.00 | 68.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 68.00 | 78.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 78.00 | 88.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 88.00 | 98.00 | L/S | 1 | 12 | | | 3.00 | | 36.00 | |
| | 98.00 | 108.00 | L/S | 1 | 12 | | | 3.00 | | 36.00 | |
| | 108.00 | 118.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 118.00 | 128.00 | L/S | 1 | 17 | | | 3.00 | | 51.00 | |
| | 128.00 | 140.00 | L/S | 1 | 20 | | | 3.00 | | 60.00 | |
| | | | | | | | | **Total Quantity** | | **2481.00** | **R-m** |

TEJUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | Providing One line dressing to granite stone slab/ granite stone masonry as per speciication (P.No.23, I.No.5.17 of PW,P&IWTD SR 2016-17) ) | | | | | | | | | | |
| | **Maruthinagr 8th A Cross** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 10.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 10.00 | 20.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 20.00 | 30.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 30.00 | 40.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 40.00 | 50.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 50.00 | 60.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 60.00 | 70.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 70.00 | 80.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 80.00 | 90.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 90.00 | 100.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 100.00 | 105.00 | L/S | 0 | 5.00 | | | 0.90 | | 0.00 | Culvert |
| | 105.00 | 115.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 115.00 | 130.00 | L/S | 1 | 15.00 | | | 0.90 | | 13.50 | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 40.00 | 50.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 50.00 | 60.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 60.00 | 70.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 70.00 | 80.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 80.00 | 90.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 90.00 | 100.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 100.00 | 111.00 | R/S | 1 | 11.00 | | | 0.90 | | 9.90 | |
| | 111.00 | 117.00 | R/S | 1 | 6.00 | | | 0.90 | | 5.40 | |
| | 117.00 | 130.00 | R/S | 1 | 13.00 | | | 0.90 | | 11.70 | |
| | **Behind G.R Kalyana Mantapa, Badrappa Layout** | | | | | | | | | | |
| | **7th Cross** | | | | | | | | | | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 40.00 | 47.60 | R/S | 1 | 7.60 | | | 0.90 | | 6.84 | |
| | 47.60 | 54.60 | R/S | 0 | 7.00 | | | 0.90 | | 0.00 | Culvert |
| | 54.60 | 65.00 | R/S | 1 | 10.40 | | | 0.90 | | 9.36 | |
| | 65.00 | 75.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 75.00 | 85.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 85.00 | 93.00 | R/S | 1 | 8.00 | | | 0.90 | | 7.20 | |
| | 93.00 | 102.00 | R/S | 1 | 9.00 | | | 0.90 | | 8.10 | |
| | 102.00 | 110.00 | R/S | 1 | 8.00 | | | 0.90 | | 7.20 | |
| | 110.00 | 120.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 120.00 | 130.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |

TEJUS CONSULTANTS

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**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chainage | | | | | | | | | | |
| | 130.00 | 140.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 140.00 | 150.30 | R/S | 1 | 10.30 | | | 0.90 | | 9.27 | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 8.00 | L/S | 1 | 8.00 | | | 0.90 | | 7.20 | |
| | 8.00 | 18.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 18.00 | 28.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 28.00 | 37.00 | L/S | 1 | 9.00 | | | 0.90 | | 8.10 | |
| | 37.00 | 46.30 | L/S | 1 | 9.30 | | | 0.90 | | 8.37 | |
| | 46.30 | 52.60 | L/S | 1 | 6.30 | | | 0.90 | | 5.67 | |
| | 52.60 | 58.00 | L/S | 0 | 5.40 | | | 0.90 | | 0.00 | Culvert Desilt |
| | 58.00 | 68.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 68.00 | 78.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 78.00 | 88.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 88.00 | 98.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 98.00 | 108.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 108.00 | 118.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 118.00 | 128.00 | L/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 128.00 | 140.00 | L/S | 1 | 12.00 | | | 0.90 | | 10.80 | |
| | | | | | | | | **Total Quantity** | | **479.61** | **Sq-m** |

TEJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

27/8

| Measurements recorded on | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli** | | | | | | | | | | | |
| **BOQ Item No** | **Description** / **Chainage** | | **Side** | **Nos** | **L** | **B1** | **B2** | **Avg width** | **Depth** | **Quantity** | **Remarks** |
| **17** | KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17) | | | | | | | | | | |
| | **Maruthinagr Badrappa Layout 2nd Main Road** | | | | | | | | | | |
| | 0.00 | 20.00 | | 1 | 20.00 | | | 0.15 | 0.075 | 0.23 | |
| | 0.00 | 20.00 | | 1 | 20.00 | | | 0.15 | 0.075 | 0.23 | |
| | 0.00 | 14.00 | | 1 | 14.00 | | | 0.15 | 0.075 | 0.16 | |
| | 0.00 | 12.00 | | 1 | 12.00 | | | 0.15 | 0.075 | 0.14 | |
| | 0.00 | 10.00 | | 1 | 10.00 | | | 0.15 | 0.075 | 0.11 | |
| | 0.00 | 9.80 | | 1 | 9.80 | | | 0.15 | 0.075 | 0.11 | |
| | 0.00 | 12.00 | | 1 | 12.00 | | | 0.15 | 0.075 | 0.14 | |
| | 0.00 | 40.00 | | 1 | 40.00 | | | 0.15 | 0.075 | 0.45 | |
| | **Culvert Ramp** | | | | | | | | | | |
| | Lottegollahalli 8th Cross | | | | | | | | | | |
| | | | | 1 | 8.00 | | | 0.90 | 0.10 | 0.72 | |
| | | | | | | | | **Total Quantity** | | **2.27** | **Cu-m** |

TEJUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

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**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M20 (at 300Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.43cum) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work | | | | | | | | | | |
| | **Maruthinagar 8th A Cross** | | | | | | | | | | |
| | 0.0 | 10.0 | | 1 | 10.0 | 3.87 | 3.90 | 3.89 | 0.125 | 4.86 | |
| | 10.0 | 20.0 | | 1 | 10.0 | 3.90 | 4.00 | 3.95 | 0.125 | 4.94 | |
| | 20.0 | 30.0 | | 1 | 10.0 | 4.00 | 4.00 | 4.00 | 0.125 | 5.00 | |
| | 30.0 | 40.0 | | 1 | 10.0 | 4.00 | 4.00 | 4.00 | 0.125 | 5.00 | |
| | 40.0 | 49.0 | | 1 | 9.0 | 4.00 | 4.50 | 4.25 | 0.125 | 4.78 | |
| | 49.0 | 57.0 | | 1 | 8.0 | 4.50 | 4.50 | 4.50 | 0.125 | 4.50 | |
| | 57.0 | 67.0 | | 1 | 10.0 | 4.50 | 5.00 | 4.75 | 0.125 | 5.94 | |
| | 67.0 | 77.0 | | 1 | 10.0 | 5.00 | 5.50 | 5.25 | 0.125 | 6.56 | |
| | 77.0 | 87.0 | | 1 | 10.0 | 5.50 | 5.50 | 5.50 | 0.125 | 6.88 | |
| | 87.0 | 97.0 | | 1 | 10.0 | 5.50 | 5.50 | 5.50 | 0.125 | 6.88 | |
| | 97.0 | 105.0 | | 1 | 8.0 | 5.50 | 5.50 | 5.50 | 0.125 | 5.50 | |
| | 105.0 | 112.0 | | 1 | 7.0 | 5.50 | 5.00 | 5.25 | 0.125 | 4.59 | |
| | 112.0 | 117.0 | | 1 | 5.0 | 5.00 | 5.30 | 5.15 | 0.125 | 3.22 | |
| | 117.0 | 127.0 | | 1 | 10.0 | 5.30 | 5.50 | 5.40 | 0.125 | 6.75 | |
| | 127.0 | 131.1 | | 1 | 4.1 | 5.50 | 5.60 | 5.55 | 0.125 | 2.84 | |
| | **Road Beside Krishna Gokula Hotel** | | | | | | | | | | |
| | 0.0 | 10.0 | | 1 | 10.0 | 4.50 | 4.55 | 4.53 | 0.10 | 4.53 | |
| | 10.0 | 20.0 | | 1 | 10.0 | 4.55 | 4.50 | 4.53 | 0.10 | 4.53 | |
| | 20.0 | 30.0 | | 1 | 10.0 | 4.50 | 4.50 | 4.50 | 0.10 | 4.50 | |
| | 30.0 | 38.0 | | 1 | 8.0 | 4.50 | 4.55 | 4.53 | 0.10 | 3.62 | |
| | 38.0 | 50.0 | | 1 | 12.0 | 4.55 | 4.50 | 4.53 | 0.10 | 5.43 | |
| | | | | | | | **Total Quantity** | | | **100.83** | **Cu-m** |

EJUS CONSULTANTS

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Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work | | | | | | | | | | |
| | **Maruthinagar 8th A Cross** | | | | | | | | | | |
| | 0.00 | 10.00 | | 10.0 | | 3.87 | 3.90 | 3.89 | | 38.85 | |
| | 10.00 | 20.00 | | 10.0 | | 3.90 | 4.00 | 3.95 | | 39.50 | |
| | 20.00 | 30.00 | | 10.0 | | 4.00 | 4.00 | 4.00 | | 40.00 | |
| | 30.00 | 40.00 | | 10.0 | | 4.00 | 4.00 | 4.00 | | 40.00 | |
| | 40.00 | 49.00 | | 9.0 | | 4.00 | 4.50 | 4.25 | | 38.25 | |
| | 49.00 | 57.00 | | 8.0 | | 4.50 | 4.50 | 4.50 | | 36.00 | |
| | 57.00 | 67.00 | | 10.0 | | 4.50 | 5.00 | 4.75 | | 47.50 | |
| | 67.00 | 77.00 | | 10.0 | | 5.00 | 5.50 | 5.25 | | 52.50 | |
| | 77.00 | 87.00 | | 10.0 | | 5.50 | 5.50 | 5.50 | | 55.00 | |
| | 87.00 | 97.00 | | 10.0 | | 5.50 | 5.50 | 5.50 | | 55.00 | |
| | 97.00 | 105.00 | | 8.0 | | 5.50 | 5.50 | 5.50 | | 44.00 | |
| | 105.00 | 112.00 | | 7.0 | | 5.50 | 5.00 | 5.25 | | 36.75 | |
| | 112.00 | 117.00 | | 5.0 | | 5.00 | 5.30 | 5.15 | | 25.75 | |
| | 117.00 | 127.00 | | 10.0 | | 5.30 | 5.50 | 5.40 | | 54.00 | |
| | 127.00 | 131.10 | | 4.1 | | 5.50 | 5.60 | 5.55 | | 22.76 | |
| | | | | | | | **Total Quantity** | | | **625.86** | **Sq-m** |

TEJUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as | | | | | | | | | | |
| | **Maruthinagr Badrappa Layout 2nd Main Road** | | | | | | | | | | |
| | 20.00 | | | 2 | 20.00 | | | | 0.60 | 24.00 | |
| | 20.00 | | | 2 | 20.00 | | | | 0.60 | 24.00 | |
| | 15.00 | | | 2 | 15.00 | | | | 0.60 | 18.00 | |
| | 15.00 | | | 2 | 15.00 | | | | 0.60 | 18.00 | |
| | 13.00 | | | 2 | 13.00 | | | | 0.60 | 15.60 | |
| | 15.00 | | | 2 | 15.00 | | | | 0.60 | 18.00 | |
| | 15.00 | | | 2 | 15.00 | | | | 0.60 | 18.00 | |
| | 40.00 | | | 2 | 40.00 | | | | 0.60 | 48.00 | |
| | **Badrappa Layout** | | | | | | | | | | |
| | **1st Main Road** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 30.00 | 45.00 | | 2 | 6.00 | | | | 0.60 | 7.20 | |
| | 90.00 | 105.00 | | 2 | 6.00 | | | | 0.60 | 7.20 | |
| | | | | | | **TOTAL QUANTITY** | | | | **198.00** | **Sq-m** |

REJUS CONSULTANTS

27/8

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

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**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work | | | | | | | | | | |
| | **Maruthinagr Badrappa Layout 2nd Main Road** | | | | | | | | | | |
| | 20.00 | | | 1 | 20.00 | | | 1.20 | | 24.00 | |
| | 20.00 | | | 1 | 20.00 | | | 1.20 | | 24.00 | |
| | 15.00 | | | 1 | 15.00 | | | 1.20 | | 18.00 | |
| | 15.00 | | | 1 | 15.00 | | | 1.20 | | 18.00 | |
| | 13.00 | | | 1 | 13.00 | | | 0.90 | | 11.70 | |
| | 15.00 | | | 1 | 15.00 | | | 0.90 | | 13.50 | |
| | 15.00 | | | 1 | 15.00 | | | 0.90 | | 13.50 | |
| | 40.00 | | | 1 | 40.00 | | | 1.20 | | 48.00 | |
| | **Badrappa Layout** | | | | | | | | | | |
| | **1st Main Road** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 15.00 | | 1 | 6.00 | | | 0.90 | | 5.40 | |
| | 45.00 | 60.00 | | 1 | 8.00 | | | 0.90 | | 7.20 | |
| | 90.00 | 105.00 | | 1 | 5.00 | | | 0.90 | | 4.50 | |
| | 130.00 | 145.00 | | 1 | 9.00 | | | 0.90 | | 8.10 | |
| | **RHS** | | | | | | | | | | |
| | 30.00 | 45.00 | | 1 | 6.00 | | | 0.90 | | 5.40 | |
| | 60.00 | 75.00 | | 1 | 7.00 | | | 0.90 | | 6.30 | |
| | | | | | | | | **Total Quantity** | | **207.60** | **Sq-m** |

TEJUS CONSULTANTS

3/9

Assistant Executive Engineer
Kodigehalli Sub Divi
Yelahanka Zone, B.B.M
Bangalore.

3/9

| Measurements recorded on | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli** | | | | | | | | | | |
| **BOQ Item No** | **Description / Chainage** | **Side** | **Nos** | **L** | **B1** | **B2** | **Avg width** | **Depth** | **Quantity** | **Remarks** |
| 21 | Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | | |
| | **Culvert** | | | | | | | | | |
| | Lottegollahalli 8th Cross | | | | | | | | | |
| | | | | 1 | 8.00 | | | 1.50 | | 12.00 | |
| | | | | | | | **Total Quantity** | | | **12.00** | **Sq-m** |

TEJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete | | | | | | | | | | |
| | **Maruthinagr Badrappa Layout 2nd Main Road** | | | | | | | | | | |
| | 20.00 | | | 1 | 20.00 | | | | | 20.00 | |
| | 20.00 | | | 1 | 20.00 | | | | | 20.00 | |
| | 15.00 | | | 1 | 15.00 | | | | | 15.00 | |
| | 15.00 | | | 1 | 15.00 | | | | | 15.00 | |
| | 13.00 | | | 1 | 13.00 | | | | | 13.00 | |
| | 15.00 | | | 1 | 15.00 | | | | | 15.00 | |
| | 15.00 | | | 1 | 15.00 | | | | | 15.00 | |
| | 40.00 | | | 1 | 40.00 | | | | | 40.00 | |
| | **Behind G.R Kalyana Mantapa, Badrappa Layout** | | | | | | | | | | |
| | **7th Cross** | | | | | | | | | | |
| | **RHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | | | 10.00 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | | | 10.00 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | | | 10.00 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | | | 10.00 | |
| | 40.00 | 47.60 | R/S | 1 | 7.60 | | | | | 7.60 | |
| | 47.60 | 54.60 | R/S | 0 | 7.00 | | | | | 0.00 | Culvert |
| | 54.60 | 65.00 | R/S | 1 | 10.40 | | | | | 10.40 | |
| | 65.00 | 75.00 | R/S | 1 | 10.00 | | | | | 10.00 | |
| | 75.00 | 85.00 | R/S | 1 | 10.00 | | | | | 10.00 | |
| | 85.00 | 93.00 | R/S | 1 | 8.00 | | | | | 8.00 | |
| | 93.00 | 102.00 | R/S | 1 | 9.00 | | | | | 9.00 | |
| | 102.00 | 110.00 | R/S | 1 | 8.00 | | | | | 8.00 | |
| | 110.00 | 120.00 | R/S | 1 | 10.00 | | | | | 10.00 | |
| | 120.00 | 130.00 | R/S | 1 | 10.00 | | | | | 10.00 | |
| | 130.00 | 140.00 | R/S | 1 | 10.00 | | | | | 10.00 | |
| | 140.00 | 150.30 | R/S | 1 | 10.30 | | | | | 10.30 | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 8.00 | L/S | 1 | 8.00 | | | | | 8.00 | |
| | 8.00 | 18.00 | L/S | 1 | 10.00 | | | | | 10.00 | |
| | 18.00 | 28.00 | L/S | 1 | 10.00 | | | | | 10.00 | |
| | 28.00 | 37.00 | L/S | 1 | 9.00 | | | | | 9.00 | |
| | 37.00 | 46.30 | L/S | 1 | 9.30 | | | | | 9.30 | |
| | 46.30 | 52.60 | L/S | 1 | 6.30 | | | | | 6.30 | |
| | 52.60 | 58.00 | L/S | 0 | 5.40 | | | | | 0.00 | Culvert Desilt |
| | 58.00 | 68.00 | L/S | 1 | 10.00 | | | | | 10.00 | |
| | 68.00 | 78.00 | L/S | 1 | 10.00 | | | | | 10.00 | |
| | 78.00 | 88.00 | L/S | 1 | 10.00 | | | | | 10.00 | |
| | 88.00 | 98.00 | L/S | 1 | 10.00 | | | | | 10.00 | |

KEAUS CONSULTANTS

3/9

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli**

| BOQ Item No | Description | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chainage | | | | | | | | | | |
| | 98.00 | 108.00 | L/S | 1 | 10.00 | | | | | 10.00 | |
| | 108.00 | 118.00 | L/S | 1 | 10.00 | | | | | 10.00 | |
| | 118.00 | 128.00 | L/S | 1 | 10.00 | | | | | 10.00 | |
| | 128.00 | 140.00 | L/S | 1 | 12.00 | | | | | 12.00 | |
| | | | | | | TOTAL QUANTITY | | | | 430.90 | Sq-m |
| | | | | | | | | | | 958.00 | Nos |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

TEJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

3/9

**Name Of work : - Improvements to Road,Drain and Footpath in Kannuramma Main Road and abutting Cross Roads in Ward No.8, Kodigehalli**

**Bruhat Bengaluru Mahanagara Palike**

**Bytarayanapura Division**

**Job Code :- 008-17-000035, 008-17-000036, 008-17-000037, 008-17-000038, 008-17-000039, 008-17-000040, 008-17-000041, 008-17-000042, 008-17-000043, 008-17-000044, 008-17-000045, 25347**

**Name of Agency :- M/s Karthik Enterprises**

**Bill No :-5 RA and Part Bill**

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Kannuramma Main Road and abutting Cross Roads in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17) | | | | | | | | | | |
| | **CP Layout , 2nd Cross Road** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 40.00 | 50.00 | R/S | 1 | 10.00 | | | 1.10 | 0.90 | 9.90 | |
| | 50.00 | 60.00 | R/S | 1 | 10.00 | | | 1.10 | 0.90 | 9.90 | |
| | 60.00 | 70.00 | R/S | 1 | 10.00 | | | 1.10 | 0.90 | 9.90 | |
| | 70.00 | 80.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 80.00 | 90.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 90.00 | 100.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 100.00 | 110.00 | R/S | 1 | 10.00 | | | 1.10 | 0.90 | 9.90 | |
| | 110.00 | 120.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 120.00 | 130.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 130.00 | 140.00 | R/S | 1 | 10.00 | | | 1.10 | 0.90 | 9.90 | |
| | 140.00 | 150.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 150.00 | 160.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 160.00 | 170.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 170.00 | 180.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 180.00 | 190.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 190.00 | 200.00 | R/S | 1 | 10.00 | | | 1.10 | 0.85 | 9.35 | |
| | 200.00 | 205.00 | R/S | 1 | 5.00 | | | 1.10 | 0.85 | 4.68 | |
| | | | | | | | | **Total Quantity** | | **194.43** | **Cu-m** |

TEJUS CONSULTANTS

12/7

Assistant Executive Engineer,
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Kannuramma Main Road and abutting Cross Roads in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17) | | | | | | | | | | |
| | **Drain** | | | | | | | | | | |
| | **CP Layout , 2nd Cross Road** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 40.00 | 50.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 50.00 | 60.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 60.00 | 70.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 70.00 | 80.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 80.00 | 90.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 90.00 | 100.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 100.00 | 110.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 110.00 | 120.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 120.00 | 130.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 130.00 | 140.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 140.00 | 150.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 150.00 | 160.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 160.00 | 170.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 170.00 | 180.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 180.00 | 190.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 190.00 | 200.00 | R/S | 1 | 10.00 | | | 1.10 | 0.10 | 1.10 | |
| | 200.00 | 205.00 | R/S | 1 | 5.00 | | | 1.10 | 0.10 | 0.55 | |
| | | | | | | | | **Total Quantity** | | **22.55** | **Cu-m** |

TEJUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

2017

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Kannuramma Main Road and abutting Cross Roads in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 10 | KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work | | | | | | | | | |
| | **Drain** | | | | | | | | | |
| | **CP Layout , 2nd Cross Road** | | | | | | | | | |
| | **LHS** | | | | | | | | | |
| | **Main U-Bars** | | | | | | | | | |
| | 10mm Dia Bars | 1 | 1708 | 2.1 | | | 0.617 | | 2214.07 | |
| | **Distribution Bars** | | | | | | | | | |
| | 8mm Dia Bars | 1 | 13.00 | 205.00 | | | 0.395 | | 1052.84 | |
| | | | | | | | **Total Quantity** | | **3266.91** | **Kg** |
| | | | | | | | | | **3.27** | **Ton** |

TEJUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

23/7

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Kannuramma Main Road and abutting Cross Roads in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.265, I.No.37.59.2 of PW, P&IWTD SR 2016-17 | | | | | | | | | | |
| | **Drain** | | | | | | | | | | |
| | **CP Layout , 2nd Cross Road** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | **RAFT** | | | | | | | | | | |
| | 0.00 | 10.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 10.00 | 20.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 20.00 | 30.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 30.00 | 40.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 40.00 | 50.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 50.00 | 60.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 60.00 | 70.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 70.00 | 80.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 80.00 | 90.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 90.00 | 100.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 100.00 | 110.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 110.00 | 120.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 120.00 | 130.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 130.00 | 140.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 140.00 | 150.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 150.00 | 160.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 160.00 | 170.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 170.00 | 180.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 180.00 | 190.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 190.00 | 200.00 | L/S | 1 | 10.00 | | | 0.90 | 0.15 | 1.35 | |
| | 200.00 | 205.00 | L/S | 1 | 5.00 | | | 0.90 | 0.15 | 0.68 | |
| | **LHS** | | | | | | | | | | |
| | **Side Wall** | | | | | | | | | | |
| | 0.00 | 10.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 10.00 | 20.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 20.00 | 30.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 30.00 | 40.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 40.00 | 50.00 | L/S | 2 | 10.00 | | | 0.65 | 0.15 | 1.95 | |
| | 50.00 | 60.00 | L/S | 2 | 10.00 | | | 0.65 | 0.15 | 1.95 | |
| | 60.00 | 70.00 | L/S | 2 | 10.00 | | | 0.65 | 0.15 | 1.95 | |
| | 70.00 | 80.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 80.00 | 90.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 90.00 | 100.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 100.00 | 110.00 | L/S | 2 | 10.00 | | | 0.65 | 0.15 | 1.95 | |

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28/7
2/8

TEJUS CONSULTANTS

2/8

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

| Measurements recorded on | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Improvements to Road,Drain and Footpath in Kannuramma Main Road and abutting Cross Roads in Ward No.8, Kodigehalli | | | | | | | | | | | |
| BOQ Item No | Description | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| | Chainage | | | | | | | | | | |
| | 110.00 | 120.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 120.00 | 130.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 130.00 | 140.00 | L/S | 2 | 10.00 | | | 0.65 | 0.15 | 1.95 | |
| | 140.00 | 150.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 150.00 | 160.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 160.00 | 170.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 170.00 | 180.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 180.00 | 190.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 190.00 | 200.00 | L/S | 2 | 10.00 | | | 0.60 | 0.15 | 1.80 | |
| | 200.00 | 205.00 | L/S | 2 | 5.00 | | | 0.60 | 0.15 | 0.90 | |
| | | | | | | | | Total Quantity | | 65.33 | Cu-m |

TEJUS CONSULTANTS

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

**Measurements recorded on**

**Name Of work : - Improvements to Road,Drain and Footpath in Kannuramma Main Road and abutting Cross Roads in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | | | |
| | **Drain** | | | | | | | | | | |
| | **CP Layout , 2nd Cross Road** | | | | | | | | | | |
| | **LHS** | | | | | | | | | | |
| | 0.00 | 10.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 10.00 | 20.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 20.00 | 30.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 30.00 | 40.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 40.00 | 50.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 50.00 | 60.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 60.00 | 70.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 70.00 | 80.00 | R/S | 1 | 10.00 | | | 1.00 | | 10.00 | |
| | 80.00 | 90.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 90.00 | 100.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 100.00 | 110.00 | R/S | 0 | 10.00 | | | 0.90 | | 0.00 | B.S Slab |
| | 110.00 | 120.00 | R/S | 1 | 6.00 | | | 0.90 | | 5.40 | |
| | 120.00 | 126.00 | R/S | 1 | 6.00 | | | 0.90 | | 5.40 | |
| | 126.00 | 136.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 136.00 | 146.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 146.00 | 156.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 156.00 | 166.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 166.00 | 176.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 176.00 | 186.00 | R/S | 1 | 10.00 | | | 0.90 | | 9.00 | |
| | 186.00 | 196.00 | R/S | 0 | 10.00 | | | 0.90 | | 0.00 | |
| | 196.00 | 205.00 | R/S | 0 | 6.00 | | | 0.90 | | 0.00 | |
| | | | | | | | | **Total Quantity** | | **155.80** | **Sq-m** |

TEJUS CONSULTANTS

12/8

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

13/8

13/8

**Name of the Work : Developments and Improvements to Parks, in CQAL Layout and Sahakaranagara in Ward No.8, Kodigehalli**

| Bruhat Bengaluru Mahanagara Palike | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Bytarayanapura Division | | | | | | | | | | |
| Job Code :- 008-17-000035, 008-17-000036, 008-17-000037, 008-17-000038, 008-17-000039, 008-17-000040, 008-17-000041, 008-17-000042, 008-17-000043, 008-17-000044, 008-17-000045, 25347 | | | | | | | | | | |
| Name of Agency :- M/s Karthik Enterprises | | | | | | | | | | |
| Bill No :-5 RA and Part Bill | | | | | | | | | | |
| Measurements recorded on | | | | | | | | | | |
| Name Of work : - Devlipments and Improvements to Parks, in CQAL Layout and Sahakaranagara in Ward No.8, Kodigehalli | | | | | | | | | | |
| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| 47 | Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring and strutting, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavation earth to the extent required including the cost of labour & HOM of machineries, as per drawing and technical specification. | | | | | | | | | | |
| | Sahakaranagar Park | | | | | | | | | | |
| | Opposite to Ganesha Temple | | | | | | | | | | |
| | Yoga Centre | | | | | | | | | | |
| | | | | 1 | 3.00 | | | 2.40 | 0.30 | 2.16 | |
| | | | | 1 | 4.80 | | | 3.00 | 0.30 | 4.32 | |
| | | | | 1 | 14.00 | | | 5.00 | 0.30 | 21.00 | |
| | | | | 1 | 3.00 | | | 1.50 | 0.30 | 1.35 | |
| | Gym Centre | | | | | | | | | | |
| | | | | 1 | 28.00 | | | 7.40 | 0.30 | 62.16 | |
| | | | | | | | | Total Quantity | | 90.99 | Cu-m |

TEJUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

3/9

| Measurements recorded on | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Devlipments and Improvements to Parks, in CQAL Layout and Sahakaranagara in Ward No.8, Kodigehalli | | | | | | | | | | | |
| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| 54 | KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 | | | | | | | | | | |
| | Sahakaranagar Park | | | | | | | | | | |
| | Opposite to Ganesha Temple | | | | | | | | | | |
| | Yoga Centre | | | | | | | | | | |
| | | | | 1 | 3.00 | | | 2.40 | 0.10 | 0.72 | |
| | | | | 1 | 4.80 | | | 3.00 | 0.10 | 1.44 | |
| | | | | 1 | 14.00 | | | 5.00 | 0.10 | 7.00 | |
| | | | | 1 | 3.00 | | | 1.50 | 0.10 | 0.45 | |
| | Gym Centre | | | | | | | | | | |
| | | | | 1 | 28.00 | | | 7.40 | 0.15 | 31.08 | |
| | | | | | | | | Total Quantity | | 40.69 | Cu-m |

SEP

TEJUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

10/9

| Measurements recorded on | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Name Of work : - Devlipments and Improvements to Parks, in CQAL Layout and Sahakaranagara in Ward No.8, Kodigehalli | | | | | | | | | | | |
| BOQ Item No | Description / Chainage | | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
| 19 | Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 109, I.No. 14.62 of PWD SR 2015-16) | | | | | | | | | | |
| | Sahakaranagar Park | | | | | | | | | | |
| | Opposite to Ganesha Temple | | | | | | | | | | |
| | Yoga Centre | | | | | | | | | | |
| | | | | 1 | 3.00 | | | 2.40 | | 7.20 | |
| | | | | 1 | 4.80 | | | 3.00 | | 14.40 | |
| | | | | 1 | 14.00 | | | 5.00 | | 70.00 | |
| | | | | 1 | 3.00 | | | 1.50 | | 4.50 | |
| | Gym Centre | | | | | | | | | | |
| | | | | 1 | 28.00 | | | 7.40 | | 207.20 | |
| | | | | | | | | Total Quantity | | 303.30 | Sq-m |

TEJUS CONSULTANTS

20/9

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

**Measurements recorded on**

**Name Of work : - Devlipments and Improvements to Parks, in CQAL Layout and Sahakaranagara in Ward No.8, Kodigehalli**

| BOQ Item No | Description / Chainage | Side | Nos | L | B1 | B2 | Avg width | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 22 | Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete | | | | | | | | | |
| | **Sahakaranagar Park** | | | | | | | | | |
| | **Opposite to Ganesha Temple** | | | | | | | | | |
| | **Yoga Centre** | | | | | | | | | |
| | | | 1 | 3.00 | | | | | 3.00 | |
| | | | 1 | 2.40 | | | | | 2.40 | |
| | | | 1 | 13.00 | | | | | 13.00 | |
| | | | 1 | 3.00 | | | | | 3.00 | |
| | | | 1 | 4.80 | | | | | 4.80 | |
| | | | 1 | 3.00 | | | | | 3.00 | |
| | **Gym Centre** | | | | | | | | | |
| | | | 2 | 28.00 | | | | | 56.00 | |
| | | | 2 | 7.40 | | | | | 14.80 | |
| | | | | | | | **Total Quantity** | | **100.00** | |
| | | | | | | | | | **222.00** | **No's** |

TEJUS CONSULTANTS

N.S.S 2019

Assistant Executive Engineer,
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.